

CUMULATIVE INDEXES

CONTRIBUTING AUTHORS, VOLUMES 9-18

A

- Aist, J. R., 14:145-63
Akai, S., 12:13-26
Altman, J., 15:361-85
Anikster, Y., 17:367-403
Armentrout, V. N., 15:119-34
Armstrong, G. M., 13:95-103
Armstrong, J. K., 13:95-103
Atabekov, J. G., 13:127-45
Aycock, R., 14:165-75

B

- Backman, P. A., 16:211-37
Baker, E. A., 18:85-101
Baker, K. F., 13:253-77
Bangert, F., 17:97-122
Barker, K. R., 13:327-53
Barnett, H. L., 11:273-92
Bashi, E., 16:83-101
Bennett, C. W., 11:1-10
Benson, D. M., 17:485-502
Berger, R. D., 15:165-83
Bernstein, L., 13:295-312
Bettencourt, A. J., 13:49-70
Beute, M. K., 17:485-502
Binder, F. L., 11:273-92
Bingham, R. T., 9:433-52
Bird, A. F., 12:69-85
Bitancourt, A. A., 16:1-18
Blanchard, R. O., 14:309-25
Boone, D. M., 9:297-318
Booth, C., 13:83-93
Bowen, G. D., 14:121-44
Brander, G. A., 9:363-86
Broadbent, L., 14:75-96
Brown, M. E., 12:181-97
Bruehl, G. W., 14:247-64,
 18:11-18
Bushnell, W. R., 10:151-76

C

- Campbell, C. L., 15:361-85
Campbell, W. A., 11:77-98
Carlson, G. A., 14:381-403,
 17:149-61
Caten, C. E., 15:295-318
Chakravorty, A. K., 15:135-51

- Chet, I., 13:169-92
Christensen, C. M., 12:303-30
Christie, R. G., 16:31-55
Clafin, L. E., 13:271-93
Cohen, Y., 16:83-101
Coley-Smith, J. R., 9:65-92
Colhoun, J., 11:343-64
Conners, I. L., 18:19-25
Cook, R. J., 10:349-74,
 15:409-29
Cooke, R. C., 9:65-92
Costa, A. S., 14:429-49
Cowling, E. B., 15:431-50
Coyne, D. P., 12:199-221
Crill, P., 15:185-202
Croll, N. A., 15:75-89
Curi, E. A., 18:311-32
Cummins, G. B., 16:19-30
Czochor, R. J., 18:237-58

D

- Davis, R. E., 9:119-54
Day, A. W., 15:295-318
Day, P. R., 11:293-312
Dekker, J., 14:405-28
Dinoor, A., 12:413-36
Doudoroff, M., 10:73-100
Drew, M. C., 18:37-66
Dufus, J. E., 9:319-40
Duke, W. B., 16:431-51
Duniway, J. M., 17:431-60
Dvořák, J., 14:211-35

E

- Edwardson, J. R., 16:31-55
Ehrlich, H. G., 9:155-84
Ehrlich, M. A., 9:155-84
Emmett, R. W., 13:147-67
Endo, B. Y., 13:213-38
Epstein, A. H., 16:181-92
Erwin, D. C., 11:389-422

F

- Fernandez Valielas, M. V.,
 14:11-29
Ferris, H., 11:423-40

- Flor, H. H., 9:275-96
Ford, E. J., 10:327-48
Foster, G. H., 17:343-66
Frederiksen, R. A., 15:249-75
Freeman, T. E., 10:455-70
Fulton, R. W., 18:131-46

G

- Gardner, M. W., 15:13-15
Garrett, S. D., 10:1-8
Ghabrial, S. A., 18:441-61
Gibbs, J. N., 16:287-307
Gibson, I. A. S., 10:51-72
Grainger, J., 17:223-52
Graves, L. B. Jr., 15:119-34
Green, G. J., 18:19-25
Gregory, P. H., 15:1-11
Griffin, D. M., 15:319-29
Groth, J. V., 14:177-88

H

- Hamilton, R. I., 12:223-45
Hardison, J. R., 14:355-79
Harlan, J. R., 14:31-51
Harris, K. F., 15:55-73
Harrison, B. D., 15:331-60
Harvey, J. M., 16:321-41
Hau, B., 18:67-83
Hayward, A. C., 12:87-97
Heagle, A. S., 11:365-88
Heath, M. C., 18:211-36
Hendrix, F. F. Jr., 11:77-98
Henis, Y., 13:169-92
Hepting, G. H., 15:431-50
Hewitt, W. B., 17:1-12
Hickey, K. D., 10:399-428
Hildebrand, D. C., 12:389-412
Hillis, W. E., 11:197-222
Hirschmann, H., 18:333-59
Hoff, R. J., 9:433-52
Hollings, M., 9:93-118
Hooker, A. L., 12:167-79
Hopkins, D. L., 15:277-94
Horsfall, J. G., 13:1-13,
 17:29-35
Huber, D. M., 12:139-65

CUMULATIVE INDEXES

CONTRIBUTING AUTHORS, VOLUMES 9-18

A

- Aist, J. R., 14:145-63
Akai, S., 12:13-26
Altman, J., 15:361-85
Anikster, Y., 17:367-403
Armentrout, V. N., 15:119-34
Armstrong, G. M., 13:95-103
Armstrong, J. K., 13:95-103
Atabekov, J. G., 13:127-45
Aycock, R., 14:165-75

B

- Backman, P. A., 16:211-37
Baker, E. A., 18:85-101
Baker, K. F., 13:253-77
Bangert, F., 17:97-122
Barker, K. R., 13:327-53
Barnett, H. L., 11:273-92
Bashi, E., 16:83-101
Bennett, C. W., 11:1-10
Benson, D. M., 17:485-502
Berger, R. D., 15:165-83
Bernstein, L., 13:295-312
Bettencourt, A. J., 13:49-70
Beute, M. K., 17:485-502
Binder, F. L., 11:273-92
Bingham, R. T., 9:433-52
Bird, A. F., 12:69-85
Bitancourt, A. A., 16:1-18
Blanchard, R. O., 14:309-25
Boone, D. M., 9:297-318
Booth, C., 13:83-93
Bowen, G. D., 14:121-44
Brander, G. A., 9:363-86
Broadbent, L., 14:75-96
Brown, M. E., 12:181-97
Bruehl, G. W., 14:247-64,
 18:11-18
Bushnell, W. R., 10:151-76

C

- Campbell, C. L., 15:361-85
Campbell, W. A., 11:77-98
Carlson, G. A., 14:381-403,
 17:149-61
Caten, C. E., 15:295-318
Chakravorty, A. K., 15:135-51

- Chet, I., 13:169-92
Christensen, C. M., 12:303-30
Christie, R. G., 16:31-55
Clafin, L. E., 13:271-93
Cohen, Y., 16:83-101
Coley-Smith, J. R., 9:65-92
Colhoun, J., 11:343-64
Conners, I. L., 18:19-25
Cook, R. J., 10:349-74,
 15:409-29
Cooke, R. C., 9:65-92
Costa, A. S., 14:429-49
Cowling, E. B., 15:431-50
Coyne, D. P., 12:199-221
Crill, P., 15:185-202
Croll, N. A., 15:75-89
Curi, E. A., 18:311-32
Cummins, G. B., 16:19-30
Czochor, R. J., 18:237-58

D

- Davis, R. E., 9:119-54
Day, A. W., 15:295-318
Day, P. R., 11:293-312
Dekker, J., 14:405-28
Dinoor, A., 12:413-36
Doudoroff, M., 10:73-100
Drew, M. C., 18:37-66
Dufus, J. E., 9:319-40
Duke, W. B., 16:431-51
Duniway, J. M., 17:431-60
Dvořák, J., 14:211-35

E

- Edwardson, J. R., 16:31-55
Ehrlich, H. G., 9:155-84
Ehrlich, M. A., 9:155-84
Emmett, R. W., 13:147-67
Endo, B. Y., 13:213-38
Epstein, A. H., 16:181-92
Erwin, D. C., 11:389-422

F

- Fernandez Valielas, M. V.,
 14:11-29
Ferris, H., 11:423-40

- Flor, H. H., 9:275-96
Ford, E. J., 10:327-48
Foster, G. H., 17:343-66
Frederiksen, R. A., 15:249-75
Freeman, T. E., 10:455-70
Fulton, R. W., 18:131-46

G

- Gardner, M. W., 15:13-15
Garrett, S. D., 10:1-8
Ghabrial, S. A., 18:441-61
Gibbs, J. N., 16:287-307
Gibson, I. A. S., 10:51-72
Grainger, J., 17:223-52
Graves, L. B. Jr., 15:119-34
Green, G. J., 18:19-25
Gregory, P. H., 15:1-11
Griffin, D. M., 15:319-29
Groth, J. V., 14:177-88

H

- Hamilton, R. I., 12:223-45
Hardison, J. R., 14:355-79
Harlan, J. R., 14:31-51
Harris, K. F., 15:55-73
Harrison, B. D., 15:331-60
Harvey, J. M., 16:321-41
Hau, B., 18:67-83
Hayward, A. C., 12:87-97
Heagle, A. S., 11:365-88
Heath, M. C., 18:211-36
Hendrix, F. F. Jr., 11:77-98
Henis, Y., 13:169-92
Hepting, G. H., 15:431-50
Hewitt, W. B., 17:1-12
Hickey, K. D., 10:399-428
Hildebrand, D. C., 12:389-412
Hillis, W. E., 11:197-222
Hirschmann, H., 18:333-59
Hoff, R. J., 9:433-52
Hollings, M., 9:93-118
Hooker, A. L., 12:167-79
Hopkins, D. L., 15:277-94
Horsfall, J. G., 13:1-13,
 17:29-35
Huber, D. M., 12:139-65

- Huisingsh, D., 12:375-88
 Hutchinson, S. A., 11:233-46
- J**
- Jamalainen, E. A., 12:281-302
 James, W. C., 12:27-48
 Johnson, R., 14:97-119
 Johnson, T., 18:19-25
 Joubert, J. J., 9:45-64
- K**
- Kado, C. I., 14:265-308
 Kelman, A., 15:409-29,
 18:361-87
 Kent, G. C., 17:21-28
 Kirsily, Z., 10:9-20
 Kirk, T. K., 9:185-210,
 18:259-88
 Knott, D. R., 14:211-35
 Kranz, J., 12:355-74, 18:67-83
 Krause, R. A., 13:31-47
 Kuć, J., 10:207-32
 Kuijt, J., 15:91-118
- L**
- Lacy, G. H., 17:181-202
 Last, F. T., 9:341-62
 Leary, J. V., 17:181-202
 Leonard, K. J., 18:237-58
 Lewis, F. H., 10:399-422
 Linderman, R. G., 17:253-77
 Linskens, H. F., 12:247-58
 Loebenstein, G., 10:177-206
 Loegering, W. Q., 16:309-20
 Lumsden, R. D., 18:389-413
 Lyda, S. D., 16:193-209
 Lynch, J. M., 18:37-66
- M**
- Main, C. E., 14:381-403
 Mankau, R., 18:415-40
 Markham, R., 15:17-39
 Marshall, K. C., 13:357-73
 Marx, D. H., 10:429-70
 Massie, L. B., 13:31-47
 Mathys, G., 18:85-101
 Matta, A., 9:387-410
 Matthews, R. E. F., 11:147-70
 Maxwell, D. P., 15:119-34
 McDonald, G. I., 9:433-52
 Meiners, J. P., 13:313-34
 Meredith, D. S., 11:313-42
 Merrill, W., 16:239-61
 Mirocha, C. J., 12:303-30
 Moller, W. J., 12:389-412
 Moore, L. W., 17:163-79
 Mosse, B., 11:171-96
- Munnecke, D. E., 10:375-98,
 17:405-29
 Musselman, L. J., 18:463-89
 Mylyk, O. M., 14:177-88
- N**
- Nariani, T. K., 10:21-36
 Nelson, P. E., 13:71-82
 Nelson, R. R., 16:359-78
 Newhall, A. G., 27-36
 Newhook, F. J., 10:299-326
 Nienhaus, F., 17:37-58
 Nolla, J. A. B., 14:11-29
 Norton, D. C., 17:279-99
 Nusbaum, C. J., 11:423-40
- O**
- Olothof, T. H. A., 14:327-53
 Orlob, G. B., 9:7-20
 Ou, S. H., 18:167-87
- P**
- Padmanabhan, S. Y., 11:11-26
 Palleroni, N. J., 10:73-100
 Papavizas, G. C., 18:389-413
 Papendick, R. I., 10:349-74
 Parbery, D. G., 13:147-67
 Parlevliet, J. E., 17:203-22
 Patil, S. S., 12:259-79
 Perombelon, M. C. M.,
 18:361-87
 Person, C., 14:177-88
 Pirone, T. P., 15:55-73
 Pirozynski, K. A., 14:237-46
 Podger, F. D., 10:299-326
 Posnette, A. F., 18:1-9
 Powell, N. T., 9:233-74
 Prescott, J. M., 16:263-85
 Putnam, A. R., 16:431-51
- R**
- Rapilly, F., 17:59-73
 Raychaudhuri, S. P., 10:21-36
 Renfro, B. L., 15:249-75
 Rijkenberg, F. H. J., 9:45-64
 Rijo, L., 13:49-70
 Roane, C. W., 11:463-86
 Robinson, R. A., 18:189-210
 Rochow, W. F., 10:101-24
 Rodrigues, C. J. Jr., 13:49-70
 Rodriguez-Kabana, R.,
 18:311-32
 Rohde, R. A., 10:233-52
 Rotem, J., 16:83-101
 Rovira, A. D., 14:121-44
 Ruehle, J. L., 11:99-118
- S**
- Saari, E. E., 12:49-68,
 16:263-85
 Sbraagia, R. J., 13:257-69
 Schaad, N. W., 17:123-47
 Schaefer, J. F., 9:235-52
 Schieber, E., 10:491-510,
 13:375-82
 Schneider, H., 11:119-46
 Schoeneweiss, D. F.,
 13:193-211
 Schroth, M. N., 12:389-412
 Schuster, M. L., 12:199-221
 Schwarzbach, E., 16:159-80
 Semancik, J. S., 17:461-84
 Sen, B., 10:21-36
 Sequeira, L., 16:453-81
 Shaw, M., 15:135-51
 Shepard, J. F., 13:271-93
 Sherf, A. F., 11:487-512
 Sherwood, R. T., 18:259-88
 Shigo, A. L., 11:197-222
 Shipton, P. J., 15:387-407
 Sikora, R. A., 17:37-58
 Simons, J. N., 18:289-310
 Simons, M. D., 17:75-96
 Sindem, J. W., 9:411-32
 Sitterly, W. R., 10:471-90
 Skye, E., 17:325-41
 Slankis, V., 12:437-57
 Slykhuis, J. T., 14:189-210
 Smith, A. M., 14:53-73
 Smith, R. J. Jr., 17:301-10
 Snyder, W. C., 9:1-6
 Sprague, G. F., 18:147-65
 Stolp, H., 11:53-76
 Stone, O. M., 9:93-118
 Suzuki, H., 13:239-56
 Szokolnik, M., 16:103-29
- T**
- Takebe, I., 13:105-25
 Talbot, P. H. B., 15:41-54
 Tattar, T. A., 14:309-25
 Taylor, A. J., 14:97-119
 TeBeest, D. O., 17:301-10
 Templeton, G. E., 17:301-10
 ten Houten, J. G., 12:1-11
 Thomson, S. V., 12:389-412
 Thresh, J. M., 12:111-28
 Thurston, H. D., 11:27-52,
 15:223-47
 Tietz, H., 16:343-58
 Toussoun, T. A., 13:71-82
 Trappe, J. M., 15:203-22
 Triantaphyllou, A. C.,
 11:441-62, 18:333-59
 Treshow, M., 9:21-44
 Tuote, J., 17:343-66
 Turian, G., 12:129-37

526 CONTRIBUTING AUTHORS

U

Ullstrup, A. J., 10:37-50
Uritani, I., 9:211-34

V

Vance, C. P., 18:259-88
van den Ende, G., 12:247-58
Vanderplank, J. E., 14:1-10
Vanfleteren, J. R., 16:131-57
Van Gundy, S. D., 17:405-29
van Kammen, A., 10:125-50
Van Regenmortel, M. H. V.,
16:57-81
Verhoef, K., 12:99-110

Verma, J. P., 10:21-36
Vidaver, A. K., 14:451-65

W

Wahl, I., 17:367-403
Walker, J., 13:335-55
Walker, J. C., 13:15-29,
17:13-20
Wallace, H. R., 16:379-402
Warren, G., 17:163-79
Watson, A. G., 10:327-48
Watson, R. D., 12:139-65
Webster, R. K., 12:331-53
Wellman, R. H., 15:153-63
Weltzien, H. C., 10:277-98
Whitcomb, R. F., 9:119-54
Wilcoxon, R. D., 12:49-68

Wilhelm, S., 16:343-58
Williams, P. H., 17:311-24
Wils, C. L., 11:247-72
Wolfe, A. S., 16:159-80
Woltz, S. S., 16:403-30

Y

Yoder, O. C., 18:103-29
Young, H. C. Jr., 16:263-85

Z

Zadoks, J. C., 10:253-76
Zaumeyer, W. J., 13:313-34
Zettler, F. W., 10:455-70
Zitter, T. A., 18:289-310

CHAPTER TITLES, VOLUMES 9-18

PREFATORY CHAPTERS

Plant Pathology Today	W. C. Snyder	9:1-6
On Learning to Become a Plant Pathologist	S. D. Garrett	10:1-8
A Consideration of Some of the Factors Important in the Growth of the Science of Plant Pathology	C. W. Bennett	11:1-10
Plant Pathology: Changing Agricultural Methods and Human Society	J. G. ten Houten	12:1-11
Fungi and Fungicides, The Story of a Nonconformist	J. G. Horsfall	13:1-13
Four Essays	J. E. Vanderplank	14:1-10
Spores in Air	P. H. Gregory	15:1-11
Phytopathology in a Developing Country	A. A. Bitancourt	16:1-18
Conceptualizing in Plant Pathology	W. B. Hewitt	17:1-12
Recollections of a Genetical Plant Pathologist	A. F. Posnette	18:1-9

HISTORICAL PERSPECTIVES

History of Plant Pathology in the Middle Ages	G. B. Oriob	9:7-20
Main Trends in the Development of Plant Pathology in Hungary	Z. Király	10:9-20
The History of Plant Pathology in India	S. P. Raychaudhuri, J. P. Verma, T. K. Nariani, B. Sen	10:21-36
History of Plant Pathology in Japan	S. Akai	12:13-26
Some Highlights in Plant Pathology in the United States	J. C. Walker	13:15-29
Contributions to the History of Plant Pathology in South America, Central America, and Mexico	J. A. B. Nolla, M. V. Fernandez Valiela	14:11-29
Little-Known Plant Pathologists: Ethelbert Dowlen	M. W. Gardner	15:13-15
Landmarks in Plant Virology: Genesis of Concepts	R. Markham	15:17-39
J. C. Arthur: The Man and His Work	G. B. Cummins	16:19-30
Julius Kuhn—His Concept of Plant Pathology	S. Wilhelm, H. Tietz	16:343-58
Leaders in Plant Pathology: L. R. Jones	J. C. Walker	17:13-20
Important Little-Known Contributors to Plant Pathology: Mason Blanchard Thomas	G. C. Kent	17:21-28
Roland Thaxter	J. G. Horsfall	17:29-35
James G. Dickson: The Man and His Work	G. W. Bruehl	18:11-18
Pioneer Leaders in Plant Pathology: J. H. Craigie	G. J. Green, T. Johnson, I. L. Connors	18:19-25
Herbert Hice Whetzel: Pioneer American Plant Pathologist	A. G. Newhall	18:27-36
APPRAISAL OF PLANT DISEASE		
The Impacts of the Southern Corn Leaf Blight Epidemics of 1970-71	A. J. Ullstrup	10:37-50
Economic Impact of Coffee Rust in Latin America	E. Schieber	10:491-510

Threatening Plant Diseases	H. D. Thurston	11:27-52
Assessment of Plant Diseases and Losses	W. C. James	12:27-48
Plant Disease Situation of High-Yielding Dwarf Wheats in Asia and Africa	E. E. Saari, R. D. Wilcoxson	12:49-68
Predictive Systems: Modern Approaches to Disease Control	R. A. Krause, L. B. Massie	13:31-47
Present Status of Coffee Rust in South America	E. Schieber	13:375-82
Electrophysiological Research in Plant Pathology	T. A. Tattar, R. O. Blanchard	14:309-25
Economics of Disease—Loss Management	G. A. Carlson, C. E. Main	14:381-403
Global Status of Maize Downy Mildew	R. A. Frederiksen, B. L. Renfro	15:249-75
The Diagnosis of Plant Diseases of Complex Etiology	H. R. Wallace	16:379-402
Insurance, Information, and Organizational Options in Pest Management	G. A. Carlson	17:149-61
Scientific Proportion and Economic Decisions for Farmers	J. Grainger	17:223-52
PATHOGENS - General		
Parasitic Green Algae	J. J. Joubert, F. H. J. Rijkenberg	9:45-64
Haustra of Phanerogamic Parasites	J. Kuijt	15:91-118
Applications of Plant Virus Serology	M. H. V. Van Regenmortel	16:57-81
Nonparasitic Plant Pathogens	S. S. Woltz	16:403-30
Lichens as Biological Indicators of Air Pollution	E. Skye	17:325-41
The Biology of Striga, Orobanche, and Other Root-Parasitic Weeds	L. J. Musselman	18:463-89
PATHOGENS - Fungi		
Dothistroma Blight of Pinus radiata	I. A. S. Gibson	10:51-72
Pythiums as Plant Pathogens	F. F. Hendrix Jr., W. A. Campbell	11:77-98 12:129-37
Sporogenesis in Fungi	G. Turian	13:71-82
Variation and Speciation in the Fusaria	T. A. Toussoun, P. E. Nelson	13:83-93
The Present Status of Fusarium Taxonomy	C. Booth	
Reflections on the Wilt Fusaria	G. M. Armstrong, J. K. Armstrong	13:95-103
Fossil Fungi	K. A. Pirozynski	14:237-46
Selection of Fungi for Ectomycorrhizal Inoculation in Nurseries	J. M. Trappe	15:203-22
Coevolution of the Rust Fungi on Gramineae and Liliaceae and Their Hosts	Y. Anikster, I. Wahl	17:367-403
Effects of Fungal Viruses on Their Hosts	S. A. Ghabrial	18:44-61
PATHOGENS - Bacteria		
Some Properties and Taxonomic Subdivisions of the Genus <i>Pseudomonas</i>	N. J. Palleroni, M. Doudoroff	10:73-100
Serological Identification of Plant Pathogenic Bacteria	N. W. Schaad	17:123-47
Ecology of the Soft Rot Erwinias	M. C. M. Pérombelon, A. Kelman	18:361-87
PATHOGENS - Viruses		
Viruses That Infect Fungi	M. Hollings, O. M. Stone	9:93-118
The Role of Mixed Infections in the Transmission of Plant Viruses by Aphids	W. F. Rochow	10:101-24
Plant Viruses with a Divided Genome	A. van Kammen	10:125-50
Replication of Plant Viruses	R. I. Hamilton	12:223-45
The Use of Protoplasts in Plant Virology	J. G. Atabekov	13:127-45
Epidemiology and Control of Tomato Mosaic Virus	L. Broadbent	14:75-96
Virus and Virus-like Diseases of Cereal Crops	J. T. Slykhuis	14:189-210
Whitewfly-Transmitted Plant Diseases	A. S. Costa	14:429-49

Nonpersistent Transmission of Plant Viruses by Aphids	T. P. Pirone, K. F. Harris	15:55-73
Ecology and Control of Viruses with Soil-Inhabiting Vectors	B. D. Harrison	15:331-60
Use of Virus-Induced Inclusions in Classification and Diagnosis	J. R. Edwardson, R. G. Christie	16:31-55
Small Pathogenic RNA in Plants—The Viroids	J. S. Semancik	17:461-84
Biological Significance of Multicomponent Viruses	R. W. Fulton	18:131-46
PATHOGENS - Nematodes		
Nematodes and Forest Trees—Types of Damage to Tree Roots	J. L. Ruehle	11:99-118
Relationships Between Nematode Population Densities and Crop Responses	K. R. Barker, T. H. A. Olthof	14:327-53
Sensory Mechanisms in Nematodes	N. A. Croll	15:75-89
Axenic Culture of Free-Living, Plant-Parasitic, and Insect-Parasitic Nematodes	J. R. Vanfleteren	16:131-57
Relationship of Physical and Chemical Factors to Populations of Plant-Parasitic Nematodes	D. C. Norton	17:279-99
Cytogenetics and Morphology in Relation to Evolution and Speciation of Plant-Parasitic Nematodes	A. C. Triantaphyllou, H. Hirschmann	18:333-59
PATHOGENS - Mollicutes		
Mycoplasmas, Rickettsiae, and Chlamydiae: Possible Relation to Yellow Diseases and Other Disorders of Plants and Insects	R. E. Davis, R. F. Whitcomb	9:119-54
Diseases Caused by Leafhopper-Borne, Rickettsia-Like Bacteria	D. L. Hopkins	15:277-94
Mycoplasmas, Spiroplasmas, and Rickettsia-Like Organisms as Plant Pathogens	F. Nienhaus, R. A. Sikora	17:37-58
MORPHOLOGY AND ANATOMY		
Fine Structure of the Host-Parasite Interfaces in Mycoparasitism	M. A. Ehrlich, H. G. Ehrlich	9:155-84
Cytological and Histological Aberrations in Woody Plants Following Infection with Viruses, Mycoplasmas, Rickettsias, and Flagellates	H. Schneider	11:119-46
Induction of Disease by Viruses, with Special Reference to Turnip Yellow Mosaic Virus	R. E. F. Matthews	11:147-70
Plant Response to Root-Knot Nematode Appressoria	A. F. Bird	12:69-85
Sclerotial Morphogenesis in Fungi	R. W. Emmett, D. G. Parbery	13:147-67
Papillae and Related Wound Plugs of Plant Cells	I. Chet, Y. Henis	13:169-92
Microbodies in Plant Pathogenic Fungi	J. R. Aist	14:145-63
Root Graft Transmission of Tree Pathogens	D. P. Maxwell, V. N. Armentrout, L. B. Graves, Jr.	15:119-34
Reactions of Nonsusceptible Fungal Pathogens	A. H. Epstein	16:181-92
Physiology of Fungal Haustoria	M. C. Heath	18:211-36
PHYSIOLOGY OF HOST-PATHOGEN INTERACTION		
Effects of Microorganisms on Lignin	T. K. Kirk	9:185-210
Protein Changes in Diseased Plants	I. Uritani	9:211-34
Interactions Between Nematodes and Fungi in Disease Complexes	N. T. Powell	9:253-74
Physiology of Fungal Haustoria	W. R. Bushnell	10:151-76

530 CHAPTER TITLES

Localization and Induced Resistance in Virus-Infected Plants	G. Loebenstein	10:177-206
Phytoalexins	J. Kuć	10:207-32
Soil Fungistasis—A Reappraisal	A. G. Watson, E. J. Ford	10:327-48
Heartwood, Discolored Wood, and Microorganisms in Living Trees	A. L. Shigo, W. E. Hillis	11:197-222
Biological Activities of Volatile Fungal Metabolites	S. A. Hutchinson	11:223-46
A Lysosomal Concept for Plant Pathology	C. L. Wilson	11:247-72
The Fungal Host-Parasite Relationship	H. L. Barnett, F. L. Binder	11:273-92
Latent Infections by Bacteria	A. C. Hayward	12:87-97
Latent Infections by Fungi	K. Verhoeff	12:99-110
Cutinolytic Enzymes in Relation to Pathogenesis	G. van den Ende, H. F. Linskens	12:247-58
Toxins Produced by Phytopathogenic Bacteria		
Fungus Metabolites Toxic to Animals	S. S. Patil	12:259-79
Predisposition, Stress, and Plant Disease	C. J. Mirocha, C. M. Christensen	12:303-30
Pathogenesis of Nematode-Infected Plants	D. F. Schoeneweiss	13:193-211
The Tumor-Inducing Substance of Agrobacterium tumefaciens	B. Y. Endo	13:213-38
The Role of RNA in Host-Parasite Specificity	C. I. Kado	14:265-308
Lectins and Their Role in Host-Pathogen Specificity	A. K. Chakravorty, M. Shaw	15:135-51
Water Relations of Water Molds	L. Sequeira	16:453-81
Toxins in Pathogenesis	J. M. Duniway	17:431-60
Lignification as a Mechanism of Disease Resistance	O. C. Yoder	18:103-29
C. P. Vance, T. K. Kirk, R. T. Sherwood		18:259-88
GENETICS OF HOST-PATHOGEN INTERACTION		
Current Status of the Gene-for-Gene Concept	H. H. Flor	9:275-96
Genetics of <i>Venturia inaequalis</i>	D. M. Boone	9:297-318
Expression of Resistance in Plants to Nematodes	R. A. Rohde	10:233-52
Genetic Variability of Crops	P. R. Day	11:293-312
Recent Advances in the Genetics of Plant Pathogenic Fungi	R. K. Webster	12:331-53
Diseases As a Factor in Plant Evolution	J. R. Harlan	14:31-51
Genetic Change in Host-Parasite Populations	C. Person, J. V. Groth, O. M. Mylyk	14:177-88
Diploidy in Plant Pathogenic Fungi	C. E. Caten, A. W. Day	15:295-318
Patterns of Race Changes in Powdery Mildews	M. S. Wolfe, E. Schwarzbach	16:159-80
Current Concepts in Interorganismal Genetics		
Genetic Systems in Phytopathogenic Bacteria	W. Q. Loegering	16:309-20
Theory of Genetic Interactions Among Populations of Plants and Their Pathogens	G. H. Lacy, J. V. Leary	17:181-202
K. J. Leonard and R. J. Czochor		18:237-58
EPIDEMIOLOGY AND INFLUENCE OF ENVIRONMENT		
Fluorides As Air Pollutants Affecting Plants	M. Treshow	9:21-44
Survival and Germination of Fungal Sclerotia	J. R. Coley-Smith, R. C. Cooke	9:65-92
Role of Weeds in the Incidence of Virus Diseases	J. E. Duffus	9:319-40
The Role of the Host in the Epidemiology of Some Nonfoliar Pathogens	F. T. Last	9:341-62
Methodology of Epidemiological Research	J. C. Zadoks	10:253-76
Geophytopathology	H. C. Weltzen	10:277-98
The Role of <i>Phytophthora cinnamomi</i> in Australian and New Zealand Forests	F. J. Newhook, F. D. Podger	10:299-326
Influence of Water Potential of Soils and Plants on Root Disease	R. J. Cook, R. I. Papendick	10:349-74

The Great Bengal Famine	S. Y. Padmanabhan	11:11-26
Significance of Spore Release and Dispersal Mechanisms in Plant Disease		
Epidemiology	D. S. Meredith	11:313-42
Effects of Environmental Factors on Plant Disease	J. Colhoun	11:343-64
Interactions Between Air Pollutants and Plant Parasites	A. S. Heagle	11:365-88
Temporal Patterns of Virus Spread	J. M. Thresh	12:111-28
Nitrogen Form and Plant Disease	D. M. Huber, R. D. Watson	12:139-65
Survival Mechanisms of Phytopathogenic Bacteria	M. I. Schuster, D. P. Coyne	12:199-221
Comparison of Epidemics	J. Kranz	12:355-74
Epidemiology and Control of Fire Blight	M. N. Schroth, S. V. Thomson, D. C. Hildebrand, W. J. Moller	12:389-412
Role of Wild and Cultivated Plants in the Epidemiology of Plant Diseases in Israel	A. Dinoor	12:413-36
Meteorological Factors in the Epidemiology of Rice Blast	H. Suzuki	13:239-56
Effects of Salinity and Sodicity on Plant Growth	L. Bernstein	13:295-312
Clay Mineralogy in Relation to Survival of Soil Bacteria	K. C. Marshall	13:357-73
Ethylene in Soil Biology	A. M. Smith	14:53-73
Microbial Colonization of Plant Roots	G. D. Bowen, A. D. Rovira	14:121-44
Management of Food Resources by Fungal Colonists of Cultivated Soils	G. W. Bruehl	14:247-64
The Sirex-Amylostereum-Pinus Association	P. H. B. Talbot	15:41-54
Application of Epidemiological Principles to Achieve Plant Disease Control	R. D. Berger	15:165-83
Water Potential and Wood-Decay Fungi	D. M. Griffin	15:319-29
Effect of Herbicides on Plant Diseases	J. Altman, C. L. Campbell	15:361-85
Host and Environmental Influences on Sporulation in Vitro	J. Rotem, Y. Cohen, E. Bashi	16:83-101
Ecology of Phymatotrichum omnivorum	S. D. Lyda	16:193-209
Role of Disease Monitoring in Preventing Epidemics	H. C. Young Jr., J. M. Prescott, E. E. Saari	16:263-85
Intercontinental Epidemiology of Dutch Elm Disease	J. N. Gibbs	16:287-307
Yellow Rust Epidemiology	F. Rapilly	17:59-73
Relation of Small Soil Fauna to Plant Disease	M. K. Beute, D. M. Benson	17:485-502
Soil Anaerobiosis, Microorganisms, and Root Function	M. C. Drew, J. M. Lynch	18:37-66
Systems Analysis in Epidemiology	J. Kranz, B. Hau	18:67-83

ACTION OF TOXICANTS AND CHEMICAL CONTROL

Advances in Fungicide Utilization	G. A. Brandes	9:363-86
Factors Affecting the Efficacy of Fungicides in Soil	D. E. Munnecke	10:375-98
Fungicide Usage on Deciduous Fruit Trees	F. H. Lewis, K. D. Hickey	10:399-428
Systemic Fungicides: Disease Control, Translocation, and Mode of Action	D. C. Erwin	11:389-422
Heavy Metals: Implications for Agriculture	D. Huisingsh	12:375-88
Soil Factors Influencing Formation of Mycorrhizae	V. Slankis	12:437-57
Chemical Control of Plant Diseases: An Exciting Future	R. J. Sbragia	13:257-69
Acquired Resistance to Fungicides	J. Dekker	14:405-28
Problems in Development, Registration, and Use of Fungicides	R. H. Wellman	15:153-63

532 CHAPTER TITLES

Techniques Involved in Greenhouse Evaluation of Deciduous Tree Fruit Fungicides	M. Szkolnik	16:103-29
Fungicide Formulation: Relationship to Biological Activity	P. A. Backman	16:211-37
Movement of Fumigants in Soil, Dosage Responses, and Differential Effects	D. E. Mumnecke, S. D. Van Gundy	17:405-29
Nontarget Effects of Pesticides on Soilborne Pathogens and Disease	R. Rodriguez-Kabana, E. A. Curi	18:311-32
BIOLOGICAL AND CULTURAL CONTROL		
Microbial Penetration and Immunization of Uncongenial Host Plants	A. Matta	9:387-410
Ecological Control of Pathogens and Weed-Molds in Mushroom Culture	J. W. Sinden	9:411-32
Ectomycorrhizae As Biological Deterrents to Pathogenic Root Infections	D. H. Marx	10:429-54
Plant Pathogens As Biocontrols of Aquatic Weeds	F. W. Zettler, T. E. Freeman	10:455-70
The Bdellovibrios: Bacterial Parasites of Bacteria	H. Stolp	11:53-76
The Role of Cropping Systems in Nematode Population Management	C. J. Nusbaum, H. Ferris	11:423-40
Environmental Sex Differentiation of Nematodes to Relation to Pest Management	A. C. Triantaphyllou	11:441-62
Seed and Root Bacterization	M. E. Brown	12:181-97
Critical Analyses of the Principles of Seed Potato Certification	J. F. Shepard, L. E. Claffin	13:271-93
Fire and Flame for Plant Disease Control	J. R. Hardison	14:355-79
Prospects for Control of Phytopathogenic Bacteria by Bacteriophages and Bacteriocins	A. K. Vidaver	14:451-65
Monoculture and Soilborne Plant Pathogens	P. J. Shipton	15:387-407
Allelopathy in Agroecosystems	A. R. Putnam, W. B. Duke	16:431-51
Agrobacterium Radiobacter Strain 84 and Biological Control of Crown Gall	L. W. Moore, G. Warren	17:163-79
Biological Weed Control with Mycoherbicides	G. E. Templeton, D. O. TeBeest, R. J. Smith, Jr.	17:301-10
Control of Storage Diseases of Grain	J. Tuite, G. H. Foster	17:343-66
Management of Viruses by Alteration of Vector Efficiency and by Cultural Practices	T. A. Zitter, J. N. Simons	18:289-310
Biological Control of Soilborne Fungal Propagules	G. C. Papavizas, R. D. Lumsden	18:389-413
Biological Control of Nematode Pests by Natural Enemies	R. Mankau	18:415-40
BREEDING FOR RESISTANCE		
Tolerance to Plant Disease	J. F. Schafer	9:235-52
Disease Resistance in Forest Trees	R. T. Bingham, R. J. Hoff, G. I. McDonald	9:433-52
Breeding for Disease Resistance in Cucurbits	W. R. Sitterly	10:471-90
Trends in Breeding for Disease Resistance in Crops	C. W. Roane	11:463-86
Cytoplasmic Susceptibility in Plant Disease Resistance in Winter Cereals and Grasses to Low-Temperature Parasitic Fungi	A. L. Hooker	12:167-79
Races of the Pathogen and Resistance to Coffee Rust	E. A. Jamalainen	12:281-302
Disease Resistance in Beans	C. J. Rodrigues Jr., A. J. Bettencourt, L. Rijo W. J. Zaumeyer, J. P. Meiners	13:49-70 13:313-34

- Spore Yield of Pathogens in Investigations of the Race-Specificity of Host Resistance to Disease
 Alien Germ Plasm As a Source of Resistance to Disease
 An Assessment of Stabilizing Selection in Crop Variety Development
 Genetics of Horizontal Resistance to Plant Diseases
 Modification of Host-Parasite Interactions Through Artificial Mutagenesis
 Components of Resistance That Reduce the Rate of Epidemic Development
 Pathogen Variability and Host Resistance in Rice Blast Disease
 New Concepts in Breeding for Disease Resistance

SPECIAL TOPICS

- Advances in the Study of Vesicular-Arbuscular Mycorrhiza
 The Development and Future of Extension Plant Pathology in the United States
 Mutual Responsibilities of Taxonomic Mycology and Plant Pathology
 The Plant Disease Clinic—A Thorn in the Flesh, or a Challenging Responsibility
 International Crop Development Centers: A Pathologist's Perspective
 Plant Pathology in the People's Republic of China
 Forest Pathology: Unique Features and Prospects
 Innovative Teaching of Plant Pathology
 Reduction of Losses in Fresh Market Fruits and Vegetables
 Calcium-Related Physiological Disorders of Plants
 Unique Features of the Pathology of Ornamental Plants
 Vegetable Crop Protection in the People's Republic of China
 An Appraisal of the Effectiveness of Quarantines
 Germplasm Resources of Plants: Their Preservation and Use

R. Johnson, A. J. Taylor	14:97-119
D. R. Knott, J. Dvořák	14:211-35
P. Crill	15:185-202
R. R. Nelson	16:359-78
M. D. Simons	17:75-96
J. E. Parlevliet	17:203-22
S. H. Ou	18:167-87
R. A. Robinson	18:189-210
B. Mosse	11:171-96
A. F. Sherf	11:487-512
J. Walker	13:335-55
R. Aycock	14:165-75
H. D. Thurston	15:223-47
A. Kelman, R. J. Cook	15:409-29
G. H. Hepting, E. B. Cowling W. Merrill	15:431-50 16:239-61
J. M. Harvey	16:321-41
F. Bangerth	17:97-122
K. F. Baker, R. G. Linderman	17:253-77
P. H. Williams	17:311-24
G. Mathys, E. A. Baker	18:85-101
G. F. Sprague	18:147-65